

CG Series Single Pole Power Rocker Switches

Features/Benefits

- **Bevelled frame**
- **Illuminated versions available**
- **Easy panel mount installation**

Typical Applications

- ***Computers and peripherals***
- ***Small appliances***
- ***Instrument panels***
- ***Industrial controls***
- ***RoHS compliant***



Specifications

CONTACT RATING:

UL/CSA: 16 AMPS @ 125 VAC, 10 AMPS @ 250 VAC.

VDE μ T85: 10 AMPS @ 250 VAC, 6 AMPS @ 250 VAC.

ELECTRICAL LIFE: 10,000 make and break cycles at full load.

INSULATION RESISTANCE: $10^8 \Omega \text{ min.}$

DIELECTRIC STRENGTH: 1,500 VRMS @ sea level.

OPERATING TEMPERATURE: -20°C to +85°C

Materials

HOUSING AND ACTUATOR: 6/6 nylon (UL94V-2), black, matte finish.

ILLUMINATED ACTUATOR: Polycarbonate, matte finish.

CENTER CONTACTS: Silver plated, copper alloy.

END CONTACTS: Silver plated.

ALL TERMINALS: Silver plated, copper alloy.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G-87 through G-89. For additional options not shown in catalog, consult Customer Service Center.

Switch Function

- CG101** SPDT On-None-On
- CG102** SPST On-None-Off
- CG103** SPDT On-Off-On
- CG105** SPDT Mom-Off-Mom
- CG12 *** SPST On-None-Off

Actuator

- J1** Rocker
- J2 **** Two-tone rocker
- J3** Illuminated rocker

Actuator Color

- 2** Black
- 1** White
- 3** Red
- R** Red, illuminated
- A** Amber, illuminated
- G** Green, illuminated

Mounting Style/Color

- S2** Snap-in, black
- S1** Snap-in, white

Termination

- 05** .250" quick connect

Actuator Marking

- (NONE)** No marking
- D** ON-OFF
- H** "O I" - international ON-OFF
- P** "O -" international ON-OFF

Contact Rating

- QF** Silver

Lamp Rating

- (NONE)** No lamp
- 7** 125 VAC neon
- 8** 250 VAC neon

CG12 — for switches with both marking and illumination

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** J2 — refer to table on page G-88 for actuator options

Rocker



G



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

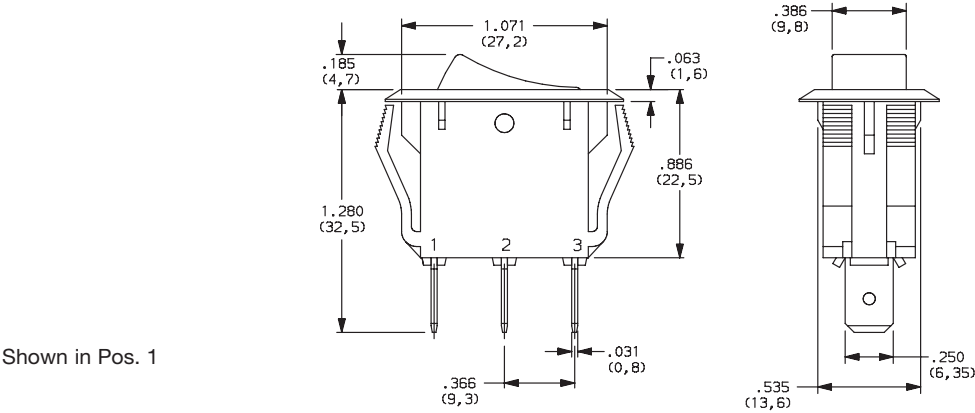
CG Series Single Pole Power Rocker Switches

SWITCH FUNCTION



NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		Pos. 1	Pos. 2	Pos. 3	Pos. 1	Pos. 2	Pos. 3	
		C&K marking on opposite side			C&K marking on opposite side			
SP	CG101	ON	NONE	ON	1-2	N/A	2-3	
	CG102	ON	NONE	OFF	1-2		OPEN	
	CG103	ON	OFF	ON	1-2	OPEN	2-3	
	CG105	MOM	OFF	MOM	1-2	OPEN	2-3	
	CG12 *	ON	NONE	OFF	1-2	N/A	OPEN	

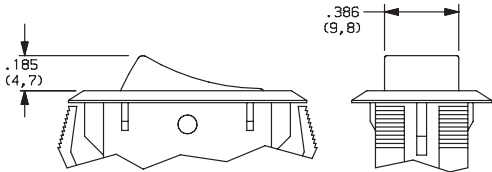
* CG12 - for switches with both marking and illumination



ACTUATOR

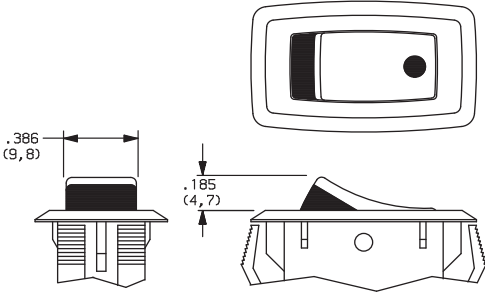


- J1 ROCKER
- J3 ILLUMINATED ROCKER

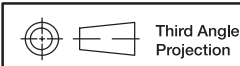


NOTE: J3 actuator available with CG102 switch function only.

- J2 TWO-TONE ROCKER



NOTE: Available with CG102 switch function only.



Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



CG Series

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ACTUATOR COLOR

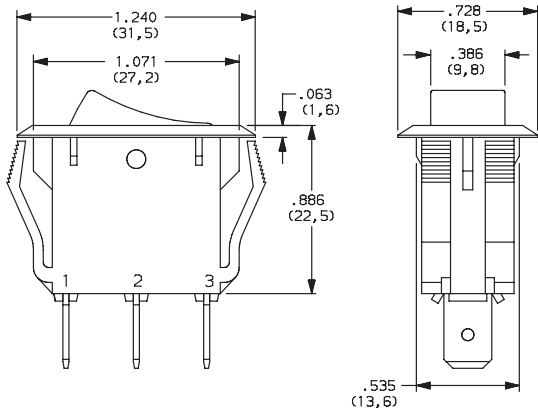
ACTUATOR	OPTION CODE	ACTUATOR COLOR
J1	2	BLACK
	1	WHITE
	3	RED
J3	R	RED, ILLUMINATED
	A	AMBER, ILLUMINATED
	G	GREEN, ILLUMINATED

OPTION CODE	ACTUATOR COLOR	
	TOP	BOTTOM
1	WHITE	RED
2	WHITE	BLACK
3	RED	WHITE
4	BLACK	WHITE
5	BLACK	RED

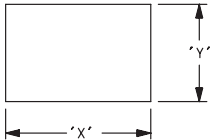
J2 actuator only

MOUNTING STYLE/COLOR

- S2 SNAP-IN, BLACK
- S1 SNAP-IN, WHITE



PANEL MOUNTING

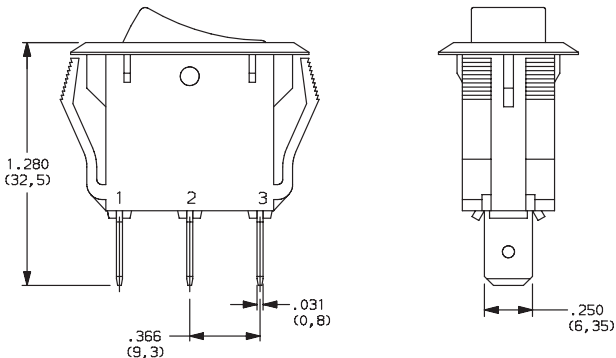


PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0,75-1,25)	1.087-.004 (27,6-0,1)	0.543+.004 (13,8+0,1)
0.049-0.079 (1,25-2,0)	1.094-.004 (27,8-0,1)	0.543+.004 (13,8+0,1)
0.079-0.118 (2,0-3,0)	1.102-.004 (28,0-0,1)	0.543+.004 (13,8+0,1)

Shown in Pos. 1

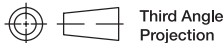
TERMINATION

- 05 .250" QUICK CONNECT



Shown in Pos. 1

Rocker



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www.ck-components.com

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ACTUATOR MARKING

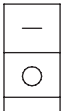
NONE NO MARKING



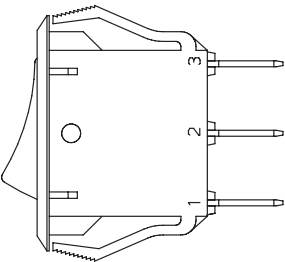
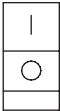
D ON-OFF



H O I



P O -



NOTE: Orientation of actuator marking and terminals.

Shown in Pos. 1

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
		POWER	16 AMPS @ 125 VAC; 10 AMPS @ 250 VAC (UL/CSA) 10 AMPS @ 250 VAC (VDE) μ T85.
QF	SILVER		

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

LAMP RATING

(NONE) NO LAMP

7 125 VAC 33k Ω NEON

8 250 VAC 150k Ω NEON

NOTE: Lamp rating for J3 actuator option.